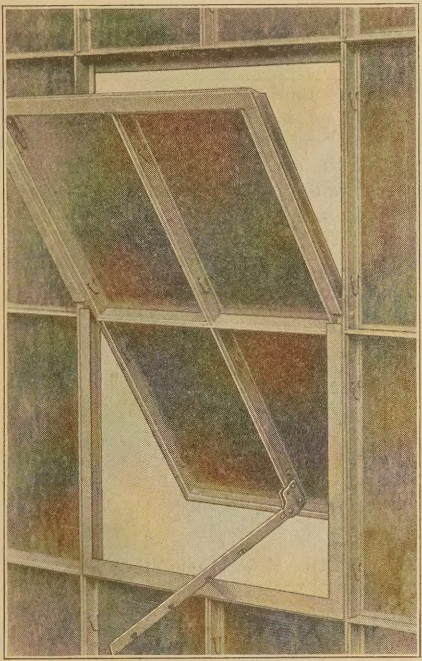
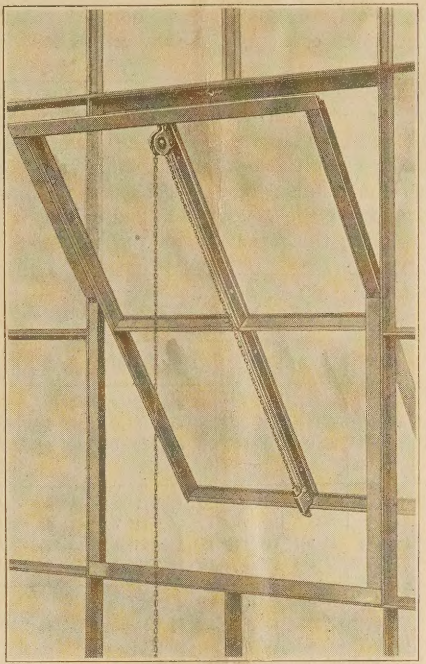
BAYLEY-SPRINGFIELD STEEL SASHES

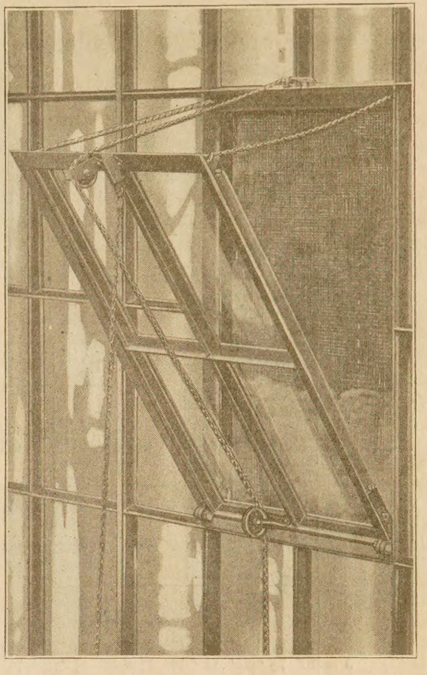
BOOKLET M 17
DETAILS - - TABLES



Ventilator, Center Pivoted (CP). Lock Bar TE. This is standard ventilator control and meets the great majority of requirements.



Ventilator, Center Pivoted (CP.) Spring Catch C. Chain Return B. This is standard control for inaccessible ventilators.



Ventilator, Bottom Hinged, Screened (BHS). Catch Plate ABC. Spring Catch CY. Pulley JY at top and YV at bottom.

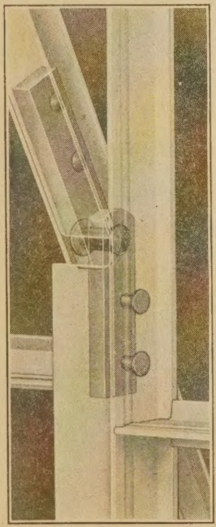
THE WILLIAM BAYLEY COMPANY

SPRINGFIELD, OHIO, U. S. A.

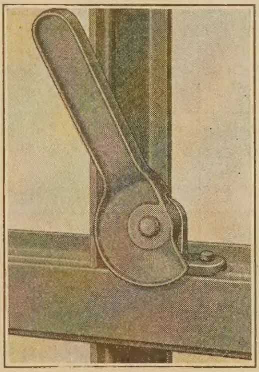
Branch Sales Offices: 303 5TH AVE., N. Y. 6 N. MICH. BLVD., CHICAGO. 141 MILK ST., BOSTON

SALES AGENCIES IN 35 CITIES.

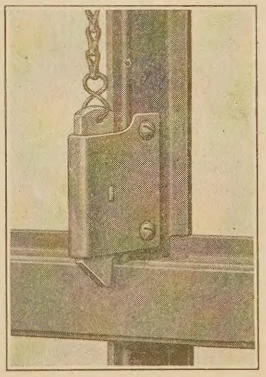
Bayley-Springfield Glazing Springs (patented) are of horse shoe form. One end engages in a hole in the steel, while the other rests on the face of the glass, and the loop extends into the space between the steel and the edge of the glass. Four are provided for each glass up to 24 inches high and six for larger glass. As seen from the inside, springs at right edge of glass extend upward from the hole in the steel vertical member, whereas those at left edge extend downward—see ventilator (CP) at left above. They are quickly and easily placed with two fingers of one hand and pushed into position by a putty knife in the other hand.



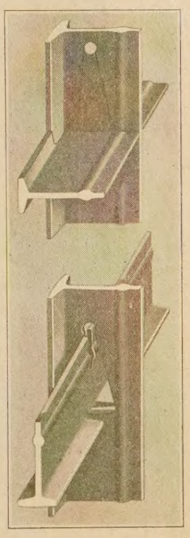
Hinge S 51



Cam Latch H



Spring Catch C



Intersection

BAYLEY-SPRINGFIELD SIDE WALL SASH INFORMATION, contained herein, includes sizes, together with approved typical installation sections and detail sections of this type of window with Center Pivoted (CP) Vents. Information relative to the use of other kinds of vents appears in other booklets which may be had upon request. Correspondence with interested parties is solicited, particularly relative to economical layout. Our latest folder of sash carried in stock, shows units which insure maximum economy and quickest shipment.

The Most Economical Layout makes use of one kind and size of unit. An approach to it consists of the adoption of one glass size and one vent size, and one unit width or height thru-out. There is seldom reason for greater complication than this. In varying the width or height, the number of glass panes should be increased or lessened and not the size of the glass. Less expense is incurred by varying the fixed units than by varying the ventilated units. It is much better to vary the number of units in the bays than to change the unit sizes. Glass size most frequently used is 12″x18″, and 14″x20″ next. Other standards are 10″x16″, 16″x22″, and 18″x24″. The odd 1″ and ½″ sizes are unusual, undesirable, and should not be used.

Dimensions of Units and Bays in all cases are taken at point marked "unit width and height," on drawing 41, page 6, and on all drawings in this booklet.

Table No. 3. Widths of Bays. Each Mullion 3/16″ Thick. Bays are shown of 6 to 25 panes each, 2 to 6 units each, the number of panes in the units being immaterial. A bay 20 panes wide, and 4 units wide may be made up 4-6-6-4 or 5-5-5-5. In other words the division may be the choice of the designer. A number of mullions less by one, than the figure in 2nd colum, is included in the dimension figure in the body of the table.

Panes in width of Bay	Units in width of Bay	GLASS WIDTHS																
		10″	10 1/2″	11″	11 1/2″	12″	12 1/2″	13″	13 1/2″	14″	14 1/2″	15″	15 1/2″	16″	16 1/2″	17″	17 1/2″	18″
6	2								7′ 1 3/16″	7′ 4 3/16″	7′ 7 3/16″	7′ 10 3/16″	8′ 1 3/16″	8′ 4 3/16″	8′ 7 3/16″	8′ 10 3/16″	9′ 1 3/16″	9′ 4 3/16″
7	2				7′ 1 1/16″	7′ 4 9/16″	7′ 8 1/16″	7′ 11 9/16″	8′ 3 1/16″	8′ 6 9/16″	8′ 10 1/16″	9′ 1 9/16″	9′ 5 1/16″	9′ 8 9/16″	10′ 0 1/16″	10′ 3 9/16″	10′ 7 1/16″	10′ 10 9/16″
8	2	7′ 0 15/16″	7′ 4 15/16″	7′ 8 15/16″	8′ 0 15/16″	8′ 4 15/16″	8′ 8 15/16″	9′ 0 15/16″	9′ 4 15/16″	9′ 8 15/16″	10′ 0 15/16″	10′ 4 15/16″	10′ 8 15/16″	11′ 0 15/16″	11′ 4 15/16″	11′ 8 15/16″	12′ 0 15/16″	12′ 4 15/16″
8	3												10′ 10 ″	11′ 2 ″	11′ 6 ″	11′ 10 ″	12′ 2 ″	12′ 6 ″
9	2	7′ 11 5/16″	8′ 3 13/16″	8′ 8 5/16″	9′ 0 13/16″	9′ 5 5/16″	9′ 9 13/16″	10′ 2 5/16″	10′ 6 13/16″	10′ 11 5/16″	11′ 3 13/16″	11′ 8 5/16″	12′ 0 13/16″	12′ 5 5/16″	12′ 9 13/16″	13′ 2 5/16″	13′ 6 13/16″	13′ 11 5/16″
9	3								10′ 7 7/8″	11′ 0 3/8″	11′ 4 7/8″	11′ 9 3/8″	12′ 1 7/8″	12′ 6 3/8″	12′ 10 7/8″	13′ 3 3/8″	13′ 7 7/8″	14′ 0 3/8″
10	2	8′ 9 11/16″	9′ 2 11/16″	9′ 7 11/16″	10′ 0 11/16″	10′ 5 11/16″	10′ 10 11/16″	11′ 3 11/16″	11′ 8 11/16″	12′ 1 11/16″	12′ 6 11/16″	12′ 11 11/16″	13′ 4 11/16″	13′ 9 11/16″				
10	3					10′ 6 3/4″	10′ 11 3/4″	11′ 4 3/4″	11′ 9 3/4″	12′ 2 3/4″	12′ 7 3/4″	13′ 0 3/4″	13′ 5 3/4″	13′ 10 3/4″	14′ 3 3/4″	14′ 8 3/4″	15′ 1 3/4″	15′ 6 3/4″
11	2	9′ 8 1/16″	10′ 1 9/16″	10′ 7 1/16″	11′ 0 9/16″	11′ 6 1/16″	11′ 11 9/16″	12′ 5 1/16″	12′ 10 9/16″	13′ 4 1/16″	13′ 9 9/16″							
11	3			10′ 8 1/8″	11′ 1 5/8″	11′ 7 1/8″	12′ 0 5/8″	12′ 6 1/8″	12′ 11 5/8″	13′ 5 1/8″	13′ 10 5/8″	14′ 4 1/8″	14′ 9 5/8″	15′ 3 1/8″	15′ 8 5/8″	16′ 2 1/8″	16′ 7 5/8″	17′ 1 1/8″
12	2	10′ 6 7/16″	11′ 0 7/16″	11′ 6 7/16″	12′ 0 7/16″	12′ 6 7/16″	13′ 0 7/16″	13′ 6 7/16″	14′ 0 7/16″									
12	3	10′ 7 1/2″	11′ 1 1/2″	11′ 7 1/2″	12′ 1 1/2″	12′ 7 1/2″	13′ 1 1/2″	13′ 7 1/2″	14′ 1 1/2″	14′ 7 1/2″	15′ 1 1/2″	15′ 7 1/2″	16′ 1 1/2″	16′ 7 1/2″	17′ 1 1/2″	17′ 7 1/2″	18′ 1 1/2″	18′ 7 1/2″
12	4								14′ 2 9/16″	14′ 8 9/16″	15′ 2 9/16″	15′ 8 9/16″	16′ 2 9/16″	16′ 8 9/16″	17′ 2 9/16″	17′ 8 9/16″	18′ 2 9/16″	18′ 8 9/16″
13	2	11′ 4 13/16″	11′ 11 5/16″	12′ 5 13/16″	13′ 0 5/16″	13′ 6 13/16″	14′ 1 5/16″											
13	3	11′ 5 7/8″	12′ 0 3/8″	12′ 6 7/8″	13′ 1 3/8″	13′ 7 7/8″	14′ 2 3/8″	14′ 8 7/8″	15′ 3 3/8″	15′ 9 7/8″	16′ 4 3/8″	16′ 10 7/8″	17′ 5 3/8″	17′ 11 7/8″	18′ 6 3/8″	19′ 0 7/8″	19′ 7 3/8″	20′ 1 7/8″
13	5												17′ 7 1/2″	18′ 2 ″	18′ 8 1/2″	19′ 3 ″	19′ 9 1/2″	20′ 4 ″
14	2	12′ 3 3/16″	12′ 10 3/16″	13′ 5 3/16″	14′ 0 3/16″													
14	3	12′ 4 1/4″	12′ 11 1/4″	13′ 6 1/4″	14′ 1 1/4″	14′ 8 1/4″	15′ 3 1/4″	15′ 10 1/4″	16′ 5 1/4″	17′ 0 1/4″	17′ 7 1/4″	18′ 2 1/4″	18′ 9 1/4″	19′ 4 1/4″	19′ 11 1/4″	20′ 6 1/4″	21′ 1 1/4″	
14	4				14′ 2 5/16″	14′ 9 5/16″	15′ 4 5/16″	15′ 11 5/16″	16′ 6 5/16″	17′ 1 5/16″	17′ 8 5/16″	18′ 3 5/16″	18′ 10 5/16″	19′ 5 5/16″	20′ 0 5/16″	20′ 7 5/16″	21′ 2 5/16″	21′ 9 5/16″
15	3	13′ 2 5/8″	13′ 10 1/8″	14′ 5 5/8″	15′ 1 1/8″	15′ 8 5/8″	16′ 4 1/8″	16′ 11 5/8″	17′ 7 1/8″	18′ 2 5/8″	18′ 10 1/8″	19′ 5 5/8″	20′ 1 1/8″	20′ 8 5/8″				
15	5								17′ 9 1/4″	18′ 4 3/4″	19′ 0 1/4″	19′ 7 3/4″	20′ 3 1/4″	20′ 10 3/4″	21′ 6 1/4″	22′ 1 3/4″	22′ 9 1/4″	23′ 4 3/4″
16	3	14′ 1 ″	14′ 9 ″	15′ 5 ″	16′ 1 ″	16′ 9 ″	17′ 5 ″	18′ 1 ″	18′ 9 ″	19′ 5 ″	20′ 1 ″	20′ 9 ″						
16	4	14′ 2 1/16″	14′ 10 1/16″	15′ 6 1/16″	16′ 2 1/16″	16′ 10 1/16″	17′ 6 1/16″	18′ 2 1/16″	18′ 10 1/16″	19′ 6 1/16″	20′ 2 1/16″	20′ 10 1/16″	21′ 6 1/16″	22′ 2 1/16″	22′ 10 1/16″	23′ 6 1/16″	24′ 2 1/16″	24′ 10 1/16″
16	5						17′ 7 1/8″	18′ 3 1/8″	18′ 11 1/8″	19′ 7 1/8″	20′ 3 1/8″	20′ 11 1/8″	21′ 7 1/8″	22′ 3 1/8″	22′ 11 1/8″	23′ 7 1/8″	24′ 3 1/8″	24′ 11 1/8″
17	3	14′ 11 3/8″	15′ 7 7/8″	16′ 4 3/8″	17′ 0 7/8″	17′ 9 3/8″	18′ 5 7/8″	19′ 2 3/8″	19′ 10 7/8″	20′ 7 3/8″								
17	5					17′ 11 1/2″	18′ 8 ″	19′ 4 1/2″	20′ 1 ″	20′ 9 1/2″	21′ 6 ″	22′ 2 1/2″	22′ 11 ″	23′ 7 1/2″	24′ 4 ″	25′ 0 1/2″	25′ 9 ″	26′ 5 1/2″
18	3	15′ 9 3/4″	16′ 6 3/4″	17′ 3 3/4″	18′ 0 3/4″	18′ 9 3/4″	19′ 6 3/4″	20′ 3 3/4″	21′ 0 3/4″									
18	4	15′ 10 13/16″	16′ 7 13/16″	17′ 4 13/16″	18′ 1 13/16″	18′ 10 13/16″	19′ 7 13/16″	20′ 4 13/16″	21′ 1 13/16″	21′ 10 13/16″	22′ 7 13/16″	23′ 4 13/16″	24′ 1 13/16″	24′ 10 13/16″	25′ 7 13/16″	26′ 4 13/16″	27′ 1 13/16″	27′ 10 13/16″
18	5				18′ 2 7/8″	18′ 11 7/8″	19′ 8 7/8″	20′ 5 7/8″	21′ 2 7/8″	21′ 11 7/8″	22′ 8 7/8″	23′ 5 7/8″	24′ 2 7/8″	24′ 11 7/8″	25′ 8 7/8″	26′ 5 7/8″	27′ 2 7/8″	27′ 11 7/8″
19	3	16′ 8 1/8″	17′ 5 5/8″	18′ 3 1/8″	19′ 0 5/8″	19′ 10 1/8″	20′ 7 5/8″											
19	5		17′ 7 3/4″	18′ 5 1/4″	19′ 2 3/4″	20′ 0 1/4″	20′ 9 3/4″	21′ 7 1/4″	22′ 4 3/4″	23′ 2 1/4″	23′ 11 3/4″	24′ 9 1/4″	25′ 6 3/4″	26′ 4 1/4″	27′ 1 3/4″	27′ 11 1/4″	28′ 8 3/4″	29′ 6 1/4″
20	3	17′ 6 1/2″	18′ 4 1/2″	19′ 2 1/2″	20′ 0 1/2″	20′ 10 1/2″												
20	4	17′ 7 9/16″	18′ 5 9/16″	19′ 3 9/16″	20′ 1 9/16″	20′ 11 9/16″	21′ 9 9/16″	22′ 7 9/16″	23′ 5 9/16″	24′ 3 9/16″	25′ 1 9/16″	25′ 11 9/16″	26′ 9 9/16″	27′ 7 9/16″				
20	5	17′ 8 5/8″	18′ 6 5/8″	19′ 4 5/8″	20′ 2 5/8″	21′ 0 5/8″	21′ 10 5/8″	22′ 8 5/8″	23′ 6 5/8″	24′ 4 5/8″	25′ 2 5/8″	26′ 0 5/8″	26′ 10 5/8″	27′ 8 5/8″	28′ 6 5/8″	29′ 4 5/8″	30′ 2 5/8″	31′ 0 5/8″
21	3	18′ 4 7/8″	19′ 3 3/8″	20′ 1 7/8″	21′ 0 3/8″													
21	5	18′ 7 ″	19′ 5 1/2″	20′ 4 ″	21′ 2 1/2″	22′ 1 ″	22′ 11 1/2″	23′ 10 ″	24′ 8 1/2″	25′ 7 ″	26′ 5 1/2″	27′ 4 ″	28′ 2 1/2″	29′ 1 ″	29′ 11 1/2″	30′ 10 ″	31′ 8 1/2″	32′ 7 ″
22	4	19′ 4 5/16″	20′ 3 5/16″	21′ 2 5/16″	22′ 1 5/16″	23′ 0 5/16″	23′ 11 5/16″	24′ 10 5/16″	25′ 9 5/16″	26′ 8 5/16″	27′ 7 5/16″							
22	5	19′ 5 3/8″	20′ 4 3/8″	21′ 3 3/8″	22′ 2 3/8″	23′ 1 3/8″	24′ 0 3/8″	24′ 11 3/8″	25′ 10 3/8″	26′ 9 3/8″	27′ 8 3/8″	28′ 7 3/8″	29′ 6 3/8″	30′ 5 3/8″	31′ 4 3/8″	32′ 3 3/8″	33′ 2 3/8″	34′ 1 3/8″
22	6	19′ 6 7/16″	20′ 5 7/16″	21′ 4 7/16″	22′ 3 7/16″	23′ 2 7/16″	24′ 1 7/16″	25′ 0 7/16″	25′ 11 7/16″	26′ 10 7/16″	27′ 9 7/16″	28′ 8 7/16″	29′ 7 7/16″	30′ 6 7/16″	31′ 5 7/16″	32′ 4 7/16″	33′ 3 7/16″	34′ 2 7/16″
23	5	20′ 3 3/4″	21′ 3 1/4″	22′ 2 3/4″	23′ 2 1/4″	24′ 1 3/4″	25′ 1 1/4″	26′ 0 3/4″	27′ 0 1/4″	27′ 11 3/4″	28′ 11 1/4″	29′ 10 3/4″	30′ 10 1/4″	31′ 9 3/4″	32′ 9 1/4″	33′ 8 3/4″	34′ 8 1/4″	
24	4	21′ 1 1/16″	22′ 1 1/16″	23′ 1 1/16″	24′ 1 1/16″	25′ 1 1/16″	26′ 1 1/16″	27′ 1 1/16″	28′ 1 1/16″									
24	5	21′ 2 1/8″	22′ 2 1/8″	23′ 2 1/8″	24′ 2 1/8″	25′ 2 1/8″	26′ 2 1/8″	27′ 2 1/8″	28′ 2 1/8″	29′ 2 1/8″	30′ 2 1/8″	31′ 2 1/8″	32′ 2 1/8″	33′ 2 1/8″	34′ 2 1/8″	35′ 2 1/8″		
24	6	21′ 3 3/16″	22′ 3 3/16″	23′ 3 3/16″	24′ 3 3/16″	25′ 3 3/16″	26′ 3 3/16″	27′ 3 3/16″	28′ 3 3/16″	29′ 3 3/16″	30′ 3 3/16″	31′ 3 3/16″	32′ 3 3/16″	33′ 3 3/16″	34′ 3 3/16″	35′ 3 3/16″	36′ 3 3/16″	37′ 3 3/16″
25	5	22′ 0 1/2″	23′ 1 ″	24′ 1 1/2″	25′ 2 ″	26′ 2 1/2″	27′ 3 ″	28′ 3 1/2″	29′ 4 ″	30′ 4 1/2″	31′ 5 ″	32′ 5 1/2″	33′ 6 ″	34′ 6 1/2″				

BAYLEY-SPRINGFIELD STOCK UNITS

27 KINDS AND SIZES.

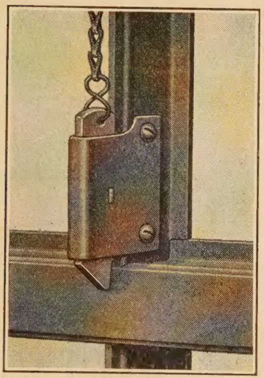
The records of our sash production show a very substantial volume of business centered around a limited number of kind and sizes. Our clients' interests demand our marketing these at lowest possible prices and shipping them in shortest possible time. The most effective way of doing this is by making a large number of parts of one kind at one time. We meet this obligation to our clients in these standard units. They are frequently as inexpensive as wood, even when purchased in small lots.

Shipment within ten days after order reaches Springfield is possible in most instances.

Details of Construction entering into these stock windows are in every particular the equal of those of the everywhere known "Bayley-Springfield" made-to-order windows. Their merits are backed by 35 years' continuous manufacturing experience and six years of solid steel bar sash manufacturing experience.

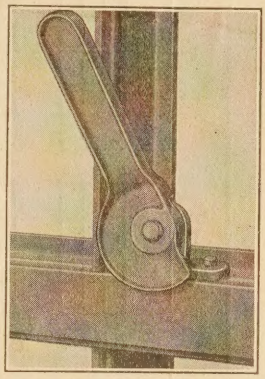
Adaptability of Bayley-Springfield Stock Units is sufficient to meet the great majority of industrial building sidewall requirements. The heights include those demonstrated in our window building experience to be the most used. The horizontal mullions are a means of varying heights, of increasing heights beyond those of stock units, and of placing one vent above another. The widths in combination are sufficient to meet more varied and more exacting requirements. Study reverse side of this sheet. Note how each width of mullion has ½″ shrinkage and ½″ stretch, making 1″ adjustment.

In asking for quotations, tell how many units of each kind are wanted and how many mullions. Use descriptive unit numbers. Give full particulars. Use code in wiring.

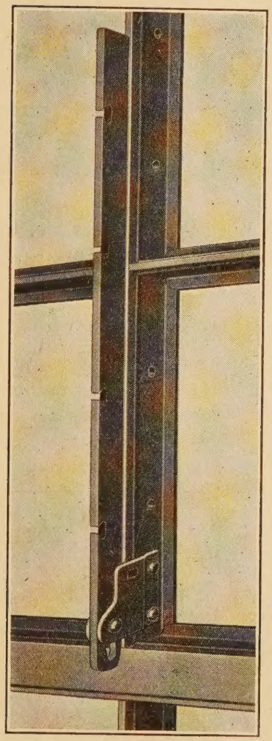


Spring Catch C

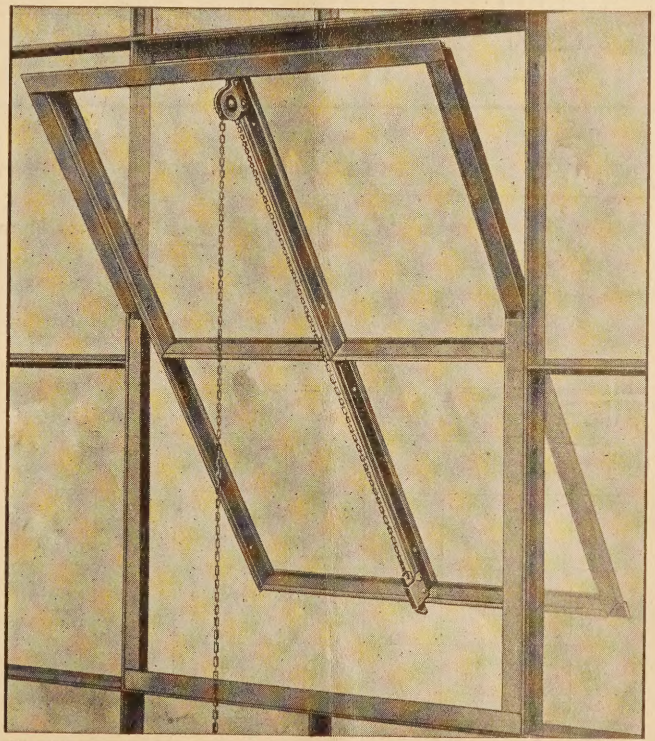
Description No.	Code Word	Descriptive No.	Code Word
aH32	Sabre	aH65	Score
aH34	Sabot	aH66	Scout
aH35	Safe	aH42VI	Seal
aH36	Sage	aH441VI	Seat
aH42	Sail	aH452VI	Seed
aH44	Salt	aH463VI	Shaft
aH45	Sand	aH52VI	Shed
aH46	Sane	aH541VI	Sheet
aH52	Satin	aH552VI	Shell
aH54	Save	aH563VI	Shine
aH55	Saw	aH641VI	Shock
aH56	Scale	aH652VI	Shoe
aH62	Scan	aH663VI	Shop
aH64	Scarf		
Lock Bar TE			Shore
Push Bar G20 and Cam H			Show
Spring Catch C, Chain Return B, Chain NZ			Shut



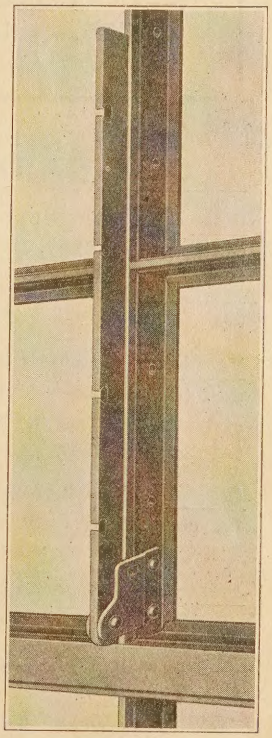
Cam Latch H



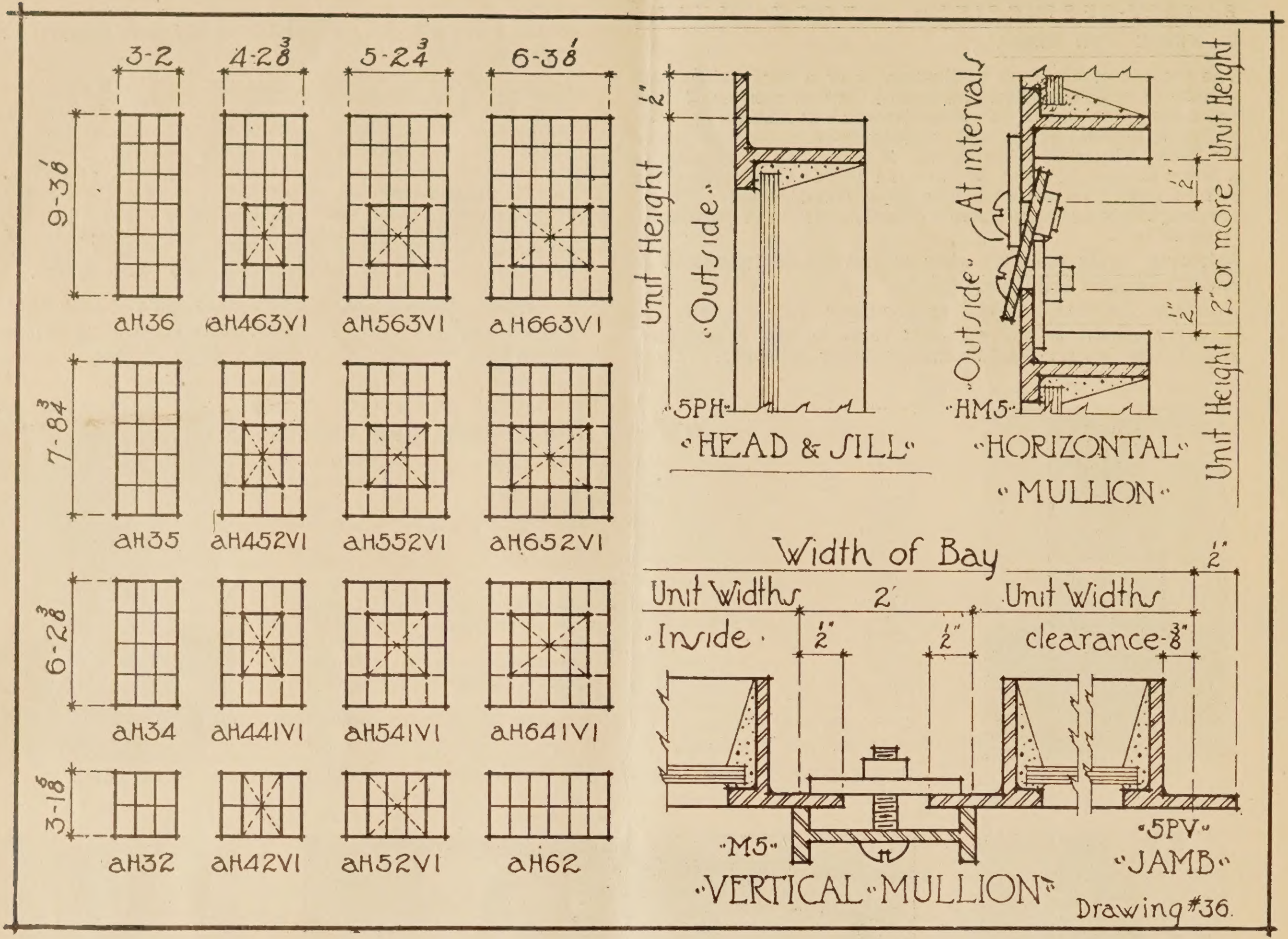
Lock Bar TE. This is standard ventilator control.



Ventilator Center Pivoted (CP). Spring Catch C. Chain Return B. Chain NZ. This is standard control for inaccessible ventilators.



Push Bar G20 Used when Cam Latch H is used.



STOCK SASH UNITS 27 Kinds and Sizes

Glass 12″ x 18″ except in vents corner panes are 11″ x 17″ and center panes, if any, 12″ x 17″.

Unventilated Units are furnished in all sixteen sizes, and designated by first 4 characters only, thus aH65.

Ventilators are center pivoted (CP) 3″ above center, and are indicated by dotted diagonal lines.

Control for each ventilator consists of Lock Bar TE. This is recommended.

Paint is one shop coat red.

Vertical Mullions are 1″ longer than unit height. They are figured in "Widths of Bays" at 2″ each, but are adjustable between 1½″ and 2½″. At additional cost the 2″ space may be increased to as much as 4″.

Horizontal Mullions shown are for bays 1 unit wide. Their length is 1″ greater than unit width. At additional cost the 2″ space may be increased to as much as 6″.

Glazing Springs and Connecting Bolts are included.

Anchor Holes are not provided. Angle frames are suitable anchorage to concrete, brick or structural steel.

WIDTHS OF BAYS Mullions 2″ each

Panes Total	No. of Units	Panes in Units Use either Column		Dimension
6	2	3 each		6′ 6 ″
7	2	3-4		7′ 6⅜″
8	2	4 each	5-3	8′ 6¾″
9	2	5-4	6-3	9′ 7⅛″
9	3	3 each		9′ 10 ″
10	2	5 each		10′ 7½″
10	3	3-4-3		10′ 10⅜″
11	2	5-6		11′ 7⅞″
11	3	3-5-3	4-3-4	11′ 10¾″
12	2	6 each		12′ 8¼″
12	3	3-6-3	4 each	12′ 11⅛″
13	3	5-3-5	4-5-4	13′ 11½″
14	3	5-4-5	4-6-4	14′ 11⅞″
15	3	5 each	6-3-6	16′ 0¼″
16	3	6-4-6	5-6-5	17′ 0⅝″
16	4	3-5-5-3	4 each	17′ 3½″

WIDTHS OF BAYS Mullions 2″ each

Panes Total	No. of Units	Panes in Units Use either column		Dimension
17	3	6-5-6		18′ 1 ″
17	5	3-4-3-4-3		18′ 6¾″
18	3	6 each		19′ 1⅜″
18	4	3-6-6-3	4-5-5-4	19′ 4¼″
18	5	4-3-4-3-4	3-3-6-3-3	19′ 7⅛″
19	5	3-4-5-4-3	4-4-3-4-4	20′ 7½″
20	4	5 each	6-4-4-6	21′ 5 ″
20	5	3-5-4-5-3	4 each	21′ 7⅞″
21	5	4-5-3-5-4	4-4-5-4-4	22′ 8¼″
22	4	6-5-5-6	5-6-6-5	23′ 5¾″
22	5	5-4-4-4-5	4-5-4-5-4	23′ 8⅝″
23	5	4-5-5-5-4	5-4-5-4-5	24′ 9 ″
24	4	6 each		25′ 6½″
24	5	4-6-4-6-4	5-5-4-5-5	25′ 9⅜″
24	6	4 each		26′ 0¼″
25	5	6-4-5-4-6	5 each	26′ 9¾″

THE WILLIAM
BAYLEY CO.
SPRINGFIELD, OHIO

Branch Sales Offices

N. Y. 303 Fifth Avenue, Tel. Mad. Square 7483
Chicago 6 N. Mich Ave. Tel. Majestic 7517
Boston 141 Milk Street Tel. Ft. Hill 5048

Agencies in 31 other Cities

Units of Maximum Size should not be greater than 100 sq. ft. in 10x16 glass, or 75 sq. ft. in 18x24 glass depending somewhat on size and location of ventilators. One dimension should not exceed 7′-6″ to permit loading into a car.

Ventilators are not recommended if larger than 5′-0″ wide, 4′-6″ high or 18 sq. ft. area. Our experience has proven that vents 2 panes high are most satisfactory. Two vents side by side in one unit, must have a row of fixed glass between vents. Likewise two vents one above another in one unit, should have a row of fixed glass between vents. Control for ventilators consists of Lock Bar shown in use in cut at right on front cover. Other hardware such as Spring Catch or Cam Latch is special. Glass in ventilators at edges (top, bottom and both sides), must be trimmed 1″ from size given in the unventilated portion of sash.

Adjustable Building Connections should be used, as shown on pages 6 and 7. Details requiring holes in the structure to match holes in the sash should be avoided unless holes in the structure are to be drilled in the field. Structural variations usually cause trouble if this is not done. For this same reason steel sash must not be designed to fit tightly into steel or cast iron. Ample clearance must be allowed for variations. When a brick building has steel lintels a head section providing a sliding connection must be used so that a slight lintel deflection later on will not throw strain on the sash. Bayley-Springfield sash are rigid and exceptionally strong, but are not designed to carry building strains.

Tables No. 6 and 7 give dimensions of units between points marked "unit width or height" on all drawings in this booklet. Lower right corner of Drawing 2, page 6 shows method of arriving at unit dimensions from the glass size.

TABLE No. 6 — WIDTHS OF BAYLEY-SPRINGFIELD SASH UNITS

No. of Glass Panes Wide	10″ Glass	11″ Glass	12″ Glass	13″ Glass	14″ Glass	15″ Glass	16″ Glass	17″ Glass	18″ Glass
1	0′ 11¼″	1′ 0¼″	1′ 1¼″	1′ 2¼″	1′ 3¼″	1′ 4¼″	1′ 5¼″	1′ 6¼″	1′ 7¼″
2	1′ 9⅝″	1′ 11⅝″	2′ 1⅝″	2′ 3⅝″	2′ 5⅝″	2′ 7⅝″	2′ 9⅝″	2′ 11⅝″	3′ 1⅝″
3	2′ 8 ″	2′ 11 ″	3′ 2 ″	3′ 5 ″	3′ 8 ″	3′ 11 ″	4′ 2 ″	4′ 5 ″	4′ 8 ″
4	3′ 6⅜″	3′ 10⅜″	4′ 2⅜″	4′ 6⅜″	4′ 10⅜″	5′ 2⅜″	5′ 6⅜″	5′ 10⅜″	6′ 2⅜″
5	4′ 4¾″	4′ 9¾″	5′ 2¾″	5′ 7¾″	6′ 0¾″	6′ 5¾″	6′ 10¾″	7′ 3¾″	7′ 8¾″
6	5′ 3⅛″	5′ 9⅛″	6′ 3⅛″	6′ 9⅛″	7′ 3⅛″	7′ 9⅛″	8′ 3⅛″	8′ 9⅛″	9′ 3⅛″
7	6′ 1½″	6′ 8½″	7′ 3½″	7′ 10½″	8′ 5½″	9′ 0½″	9′ 7½″		
8	6′ 11⅞″	7′ 7⅞″	8′ 3⅞″	8′ 11⅞″	9′ 7⅞″				
9	7′ 10¼″	8′ 7¼″	9′ 4¼″						

Sizes below heavy line are not recommended. If window opening is wider, more than one unit must be used to fill it

TABLE No. 7 — HEIGHTS OF BAYLEY-SPRINGFIELD SASH UNITS

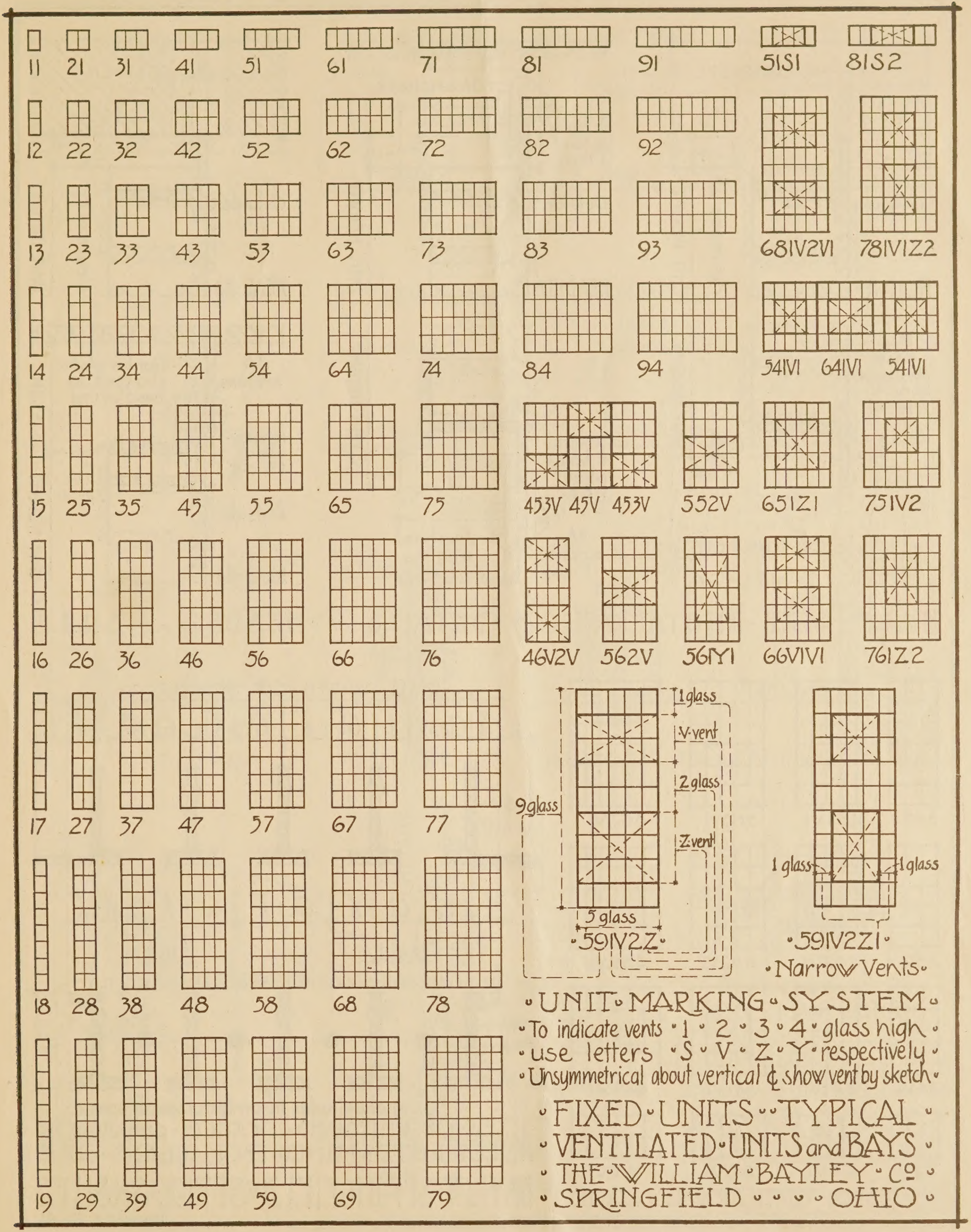
No. of Glass Panes High	16″ Glass	17″ Glass	18″ Glass	19″ Glass	20″ Glass	21″ Glass	22″ Glass	23″ Glass	24″ Glass
1	1′ 5¼″	1′ 6¼″	1′ 7¼″	1′ 8¼″	1′ 9¼″	1′ 10¼″	1′ 11¼″	2′ 0¼″	2′ 1¼″
2	2′ 9⅝″	2′ 11⅝″	3′ 1 ⅝″	3′ 3⅝″	3′ 5⅝″	3′ 7⅝″	3′ 9⅝″	3′ 11⅝″	4′ 1⅝″
3	4′ 2 ″	4′ 5 ″	4′ 8 ″	4′ 11″	5′ 2 ″	5′ 5 ″	5′ 8 ″	5′ 11 ″	6′ 2 ″
4	5′ 6⅜″	5′ 10⅜″	6′ 2⅜″	6′ 6⅜″	6′ 10⅜″	7′ 2⅜″	7′ 6⅜″	7′ 10⅜″	8′ 2⅜″
5	6′ 10¾″	7′ 3¾″	7′ 8¾″	8′ 1¾″	8′ 6¾″	8′ 11¾″	9′ 4¾″	9′ 9¾″	10′ 2¾″
6	8′ 3⅛″	8′ 9⅛″	9′ 3⅛″	9′ 9⅛″	10′ 3⅛″	10′ 9⅛″	11′ 3⅛″	11′ 9⅛″	12′ 3⅛″
7	9′ 7½″	10′ 2½″	10′ 9½″	11′ 4½″	11′ 11½″	12′ 6½″	13′ 1½″	13′ 8½″	
8	10′ 11⅞″	11′ 7⅞″	12′ 3⅞″	12′ 11⅞″	13′ 7⅞″				
9	12′ 4¼″	13′ 1¼″	13′ 10¼″						
10	13′ 8⅝″								

Sizes below heavy line are not recommended. Odd inch glass sizes should not be used. Limit one dimension of unit to 7′ 6″

5. WIDTHS OF BAYS

MULLIONS 2″ EACH. In column headed by desired width of glass, find desired width of bay, thence cross to the four left hand columns and find layout of the bay just chosen

Panes Total	No. of Units	PANES IN UNITS Use either column		WIDTHS OF GLASS										
				10″	10½″	11″	11½″	12″	12½″	13″	13½″	14″	14½″	15″
6	2	3 each		5′ 6″	5′ 9″	6′ 0″	6′ 3″	6′ 6″	6′ 9″	7′ 0″	7′ 3″	7′ 6″	7′ 9″	8′ 0″
7	2	3-4		6′ 4⅜″	6′ 7⅞″	6′ 11⅜″	7′ 2⅞″	7′ 6⅜″	7 9⅞″	8′ 1⅜″	8′ 4⅞″	8′ 8⅜″	8′ 11⅞″	9′ 3⅜″
8	2	4 each		7′ 2¾″	7′ 6¾″	7′ 10¾″	8′ 2¾″	8′ 6¾″	8′ 10¾″	9′ 2¾″	9′ 6¾″	9′ 10¾″	10′ 2¾″	10′ 6¾″
8	3	3-2-3	2-4-2	7′ 5⅝″	7′ 9⅝″	8′ 1⅝″	8′ 5⅝″	8′ 9⅝″	9′ 1⅝″	9′ 5⅝″	9′ 9⅝″	10′ 1⅝″	10′ 5⅝″	10′ 9⅝″
9	2	4-5	6-3	8′ 1⅛″	8′ 5⅝″	8′ 10⅛″	9′ 2⅝″	9′ 7⅛″	9′ 11⅝″	10′ 4⅛″	10′ 8⅝″	11′ 1⅛″	11′ 5⅝″	11′ 10⅛″
9	3	2-5-2	3 each	8′ 4″	8′ 8½″	9′ 1″	9′ 5½″	9′ 10″	10′ 2½″	10′ 7″	10′ 11½″	11′ 4″	11′ 8½″	12′ 1″
10	2	5 each		8′ 11½″	9′ 4½″	9′ 9½″	10′ 2½″	10′ 7½″	11′ 0½″	11′ 5½″	11′ 10½″	12′ 3½″	12′ 8½″	13′ 1½″
10	3	3-4-3	4-2-4	9′ 2⅜″	9′ 7⅜″	10′ 0⅜″	10′ 5⅜″	10′ 10⅜″	11′ 3⅜″	11′ 8⅜″	12′ 1⅜″	12′ 6⅜″	12′ 11⅜″	13′ 4⅜″
11	2	5-6		9′ 9⅞″	10′ 3⅜″	10′ 8⅞″	11′ 2⅜″	11′ 7⅞″	12′ 1⅜″	12′ 6⅞″	13′ 0⅜″	13′ 5⅞″	13′ 11⅜″	
11	3	3-5-3	4-3-4	10′ 0¾″	10′ 6¼″	10′ 11¾″	11′ 5¼″	11′ 10¾″	12′ 4¼″	12′ 9¾″	13′ 3¼″	13′ 8¾″	14′ 2¼″	14′ 7¾″
12	2	6 each		10′ 8¼″	11′ 2¼″	11′ 8¼″	12′ 2¼″	12′ 8¼″	13′ 2¼″	13′ 8¼″	14′ 2¼″			
12	3	3-6-3	4 each	10′ 11⅛″	11′ 5⅛″	11′ 11⅛″	12′ 5⅛″	12′ 11⅛″	13′ 5⅛″	13′ 11⅛″	14′ 5⅛″	14′ 11⅛″	15′ 5⅛″	15′ 11⅛″
12	4	2-4-4-2	3 each	11′ 2″	11′ 8″	12′ 2″	12′ 8″	13′ 2″	13′ 8″	14′ 2″	14′ 8″	15′ 2″	15′ 8″	16′ 2″
13	3	5-3-5	4-5-4	11′ 9½″	12′ 4″	12′ 10½″	13′ 5″	13′ 11½″	14′ 6″	15′ 0½″	15′ 7″	16′ 1½″	16′ 8″	17′ 2½″
14	2	7 each		12′ 5″	13′ 0″	13′ 7″	14′ 2″	14′ 9″	15′ 4″					
14	3	4-6-4	5-4-5	12′ 7⅞″	13′ 2⅞″	13′ 9⅞″	14′ 4⅞″	14′ 11⅞″	15′ 6⅞″	16′ 1⅞″	16′ 8⅞″	17′ 3⅞″	17′ 10⅞″	18′ 5⅞″
14	4	2-5-5-2	3-4-4-3	12′ 10¾″	13′ 5¾″	14′ 0¾″	14′ 7¾″	15′ 2¾″	15′ 9¾″	16′ 4¾″	16′ 11¾″	17′ 6¾″	18′ 1¾″	18′ 8¾″
15	3	6-3-6	5 each	13′ 6¼″	14′ 1¾″	14′ 9¼″	15′ 4¾″	16′ 0¼″	16′ 7¾″	17′ 3¼″	17′ 10¾″	18′ 6¼″	19′ 1¾″	19′ 9¼″
15	5	2-3-5-3-2	3 each	14′ 0″	14′ 7½″	15′ 3″	15′ 10½″	16′ 6″	17′ 1½″	17′ 9″	18′ 4½″	19′ 0″	19′ 7½″	20′ 3″
16	3	6-4-6	5-6-5	14′ 4⅝″	15′ 0⅝″	15′ 8⅝″	16′ 4⅝″	17′ 0⅝″	17′ 8⅝″	18′ 4⅝″	19′ 0⅝″	19′ 8⅝″	20′ 4⅝″	21′ 0⅝″
16	4	3-5-5-3	4 each	14′ 7½″	15′ 3½″	15′ 11½″	16′ 7½″	17′ 3½″	17′ 11½″	18′ 7½″	19′ 3½″	19′ 11½″	20′ 7½″	21′ 3½″
16	5	3-3-4-3-3	4-2-4-2-4	14′ 10⅜″	15′ 6⅜″	16′ 2⅜″	16′ 10⅜″	17′ 6⅜″	18′ 2⅜″	18′ 10⅜″	19′ 6⅜″	20′ 2⅜″	20′ 10⅜″	21′ 6⅜″
17	3	6-5-6		15′ 3″	15′ 11½″	16′ 8″	17′ 4½″	18′ 1″	18′ 9½″	19′ 6″	20′ 2½″	20′ 11″		
17	5	3-3-5-3-3	3-4-3-4-3	15′ 8¾″	16′ 5¼″	17′ 1¾″	17′ 10¼″	18′ 6¾″	19′ 3¼″	19′ 11¾″	20′ 8¼″	21′ 4¾″	22′ 1¼″	22′ 9¾″
18	3	6 each		16′ 1⅜″	16′ 10⅜″	17′ 7⅜″	18′ 4⅜″	19′ 1⅜″	19′ 10⅜″	20′ 7⅜″	21′ 4⅜″			
18	4	3-6-6-3	4-5-5-4	16′ 4¼″	17′ 1¼″	17′ 10¼″	18′ 7¼″	19′ 4¼″	20′ 1¼″	20′ 10¼″	21′ 7¼″	22′ 4¼″	23′ 1¼″	23′ 10¼″
19	3	6-7-6	7-5-7	16′ 11¾″	17′ 9¼″	18′ 6¾″	19′ 4¼″	20′ 1¾″	20′ 11¼″					
19	5	3-4-5-4-3	4-4-3-4-4	17′ 5½″	18′ 3″	19′ 0½″	19′ 10″	20′ 7½″	21′ 5″	22′ 2½″	23′ 0″	23′ 9½″	24′ 7″	25′ 4½″
20	3	6-8-6	7-6-7	17′ 10⅛″	18′ 8⅛″	19′ 6⅛″	20′ 4⅛″	21′ 2⅛″	22′ 0⅛″					
20	4	5 each	6-4-4-6	18′ 1″	18′ 11″	19′ 9″	20′ 7″	21′ 5″	22′ 3″	23′ 1″	23′ 11″	24′ 9″	25′ 7″	26′ 5″
20	5	3-5-4-5-3	4 each	18′ 3⅞″	19′ 1⅞″	19′ 11⅞″	20′ 9⅞″	21′ 7⅞″	22′ 5⅞″	23′ 3⅞″	24′ 1⅞″	24′ 11⅞″	25′ 9⅞″	26′ 7⅞″
21	3	7 each		18′ 8½″	19′ 7″	20′ 5½″	21′ 4″	22′ 2½″	23′ 1″					
21	5	4-5-3-5-4	4-4-5-4-4	19′ 2¼″	20′ 0¾″	20′ 11¼″	21′ 9¾″	22′ 8¼″	23′ 6¾″	24′ 5¼″	25′ 3¾″	26′ 2¼″	27′ 0¾″	27′ 11¼″
22	4	6-5-5-6	5-6-6-5	19′ 9¾″	20′ 8¾″	21′ 7¾″	22′ 6¾″	23′ 5¾″	24′ 4¾″	25′ 3¾″	26′ 2¾″	27′ 1¾″	28′ 0¾″	
22	5	5-4-4-4-5	4-5-4-5-4	20′ 0⅝″	20′ 11⅝″	21′ 10⅝″	22′ 9⅝″	23′ 8⅝″	24′ 7⅝″	25′ 6⅝″	26′ 5⅝″	27′ 4⅝″	28′ 3⅝″	29′ 2⅝″
23	5	4-5-5-5-4	5-4-5-4-5	20′ 11″	21′ 10½″	22′ 10″	23′ 9½″	24′ 9″	25′ 8½″	26′ 8″	27′ 7½″	28′ 7″	29′ 6½″	30′ 6″
24	4	6 each		21′ 6½″	22′ 6½″	23′ 6½″	24′ 6½″	25′ 6½″	25′ 6½″	26′ 6½″	28′ 6½″			
24	5	4-6-4-6-4	5-5-4-5-5	21′ 9⅜″	22′ 9⅜″	23′ 9⅜″	24′ 9⅜″	25′ 9⅜″	26′ 9⅜″	27′ 9⅜″	28′ 9⅜″	29′ 9⅜″	30′ 9⅜″	31′ 9⅜″
24	6	4 each		22′ 0¼″	23′ 0¼″	24′ 0¼″	25′ 0¼″	26′ 0¼″	27′ 0¼″	28′ 0¼″	29′ 0¼″	30′ 0¼″	31′ 0¼″	32′ 0¼″
25	5	6-4-5-4-6	5 each	22′ 7¾″	23′ 8¼″	24′ 8¾″	25′ 9¼″	26′ 9¾″	27′ 10¼″	28′ 10¾″	29′ 11¼″	30′ 11¾″	32′ 0¼″	33′ 0¾″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12 22 32 42 52 62 72 82 92
13 23 33 43 53 63 73 83 93 681V2V1 781V1Z2
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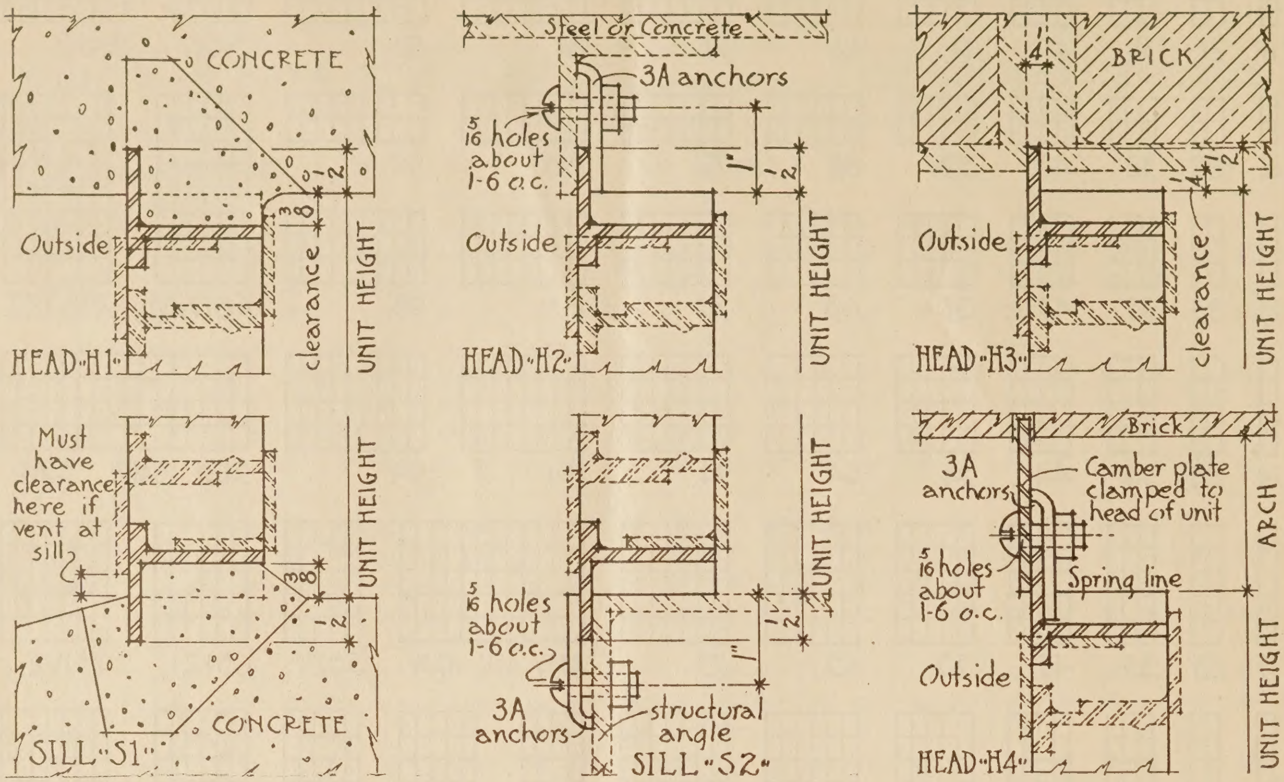
15 25 35 45 55 65 75 453V 45V 453V 552V 651Z1 751V2
16 26 36 46 56 66 76 46V2V 562V 561Y1 66V1V1 761Z2
17 27 37 47 57 67 77
18 28 38 48 58 68 78
19 29 39 49 59 69 79
1 glass
V vent
2 glass
Z vent
9 glass
5 glass
•591V2Z•
1 glass
1 glass
•591V2Z1•
•Narrow Vents•

• UNIT • MARKING • SYSTEM •

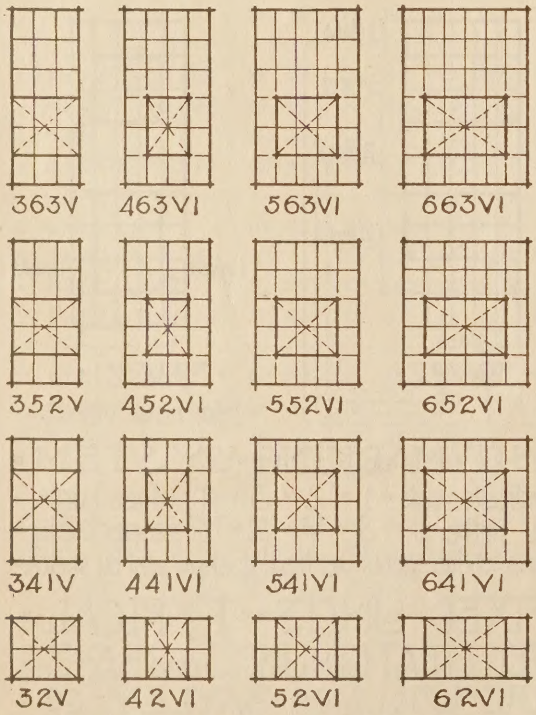
• To indicate vents • 1 • 2 • 3 • 4 • glass high •
• use letters • S • V • Z • Y • respectively •
• Unsymmetrical about vertical ℄ show vent by sketch •

• FIXED • UNITS • • TYPICAL •
• VENTILATED • UNITS and BAYS •

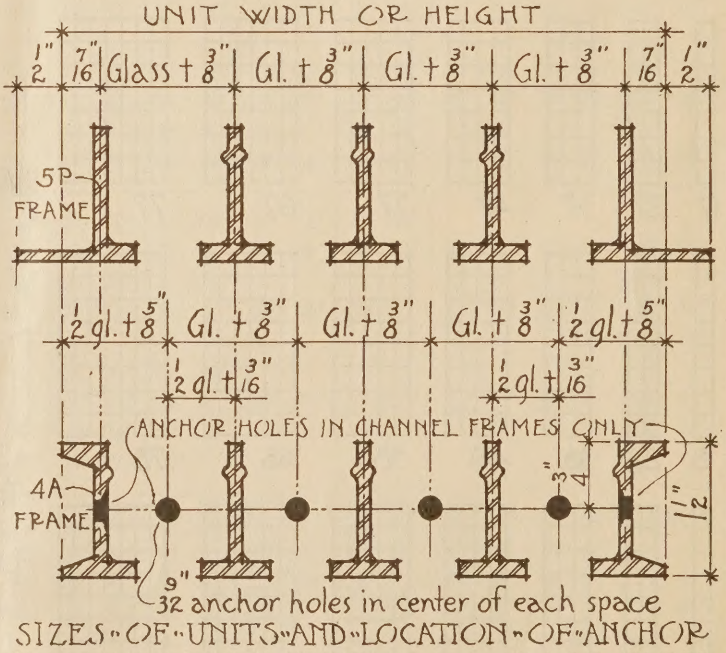
• THE • WILLIAM • BAYLEY • Cº •
• SPRINGFIELD • • • • OHIO •



HALF SIZE INSTALLATION DETAILS of HEADS and SILLS



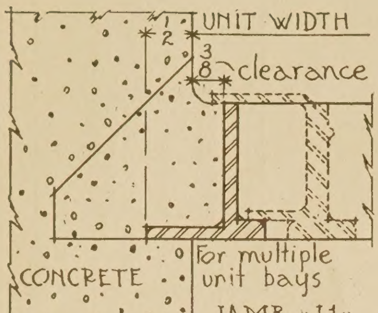
PREFERRED VENTILATOR LOCATIONS



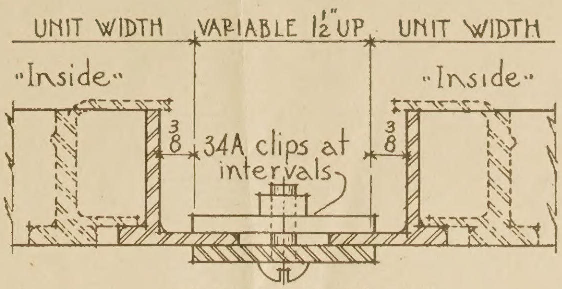
SIZES OF UNITS AND LOCATION OF ANCHOR HOLES DETERMINED FROM GLASS SIZE

BAYLEY-SPRINGFIELD STEEL SASHES

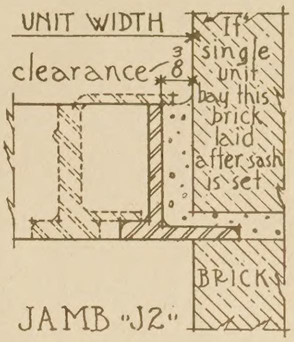
Drawing No. 41.



JAMB "J1"



MULLION "M4"



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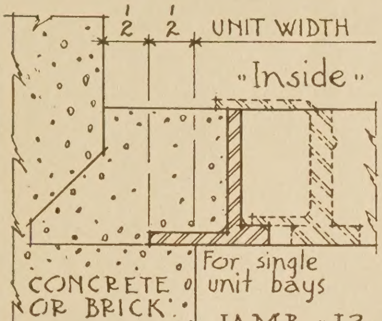

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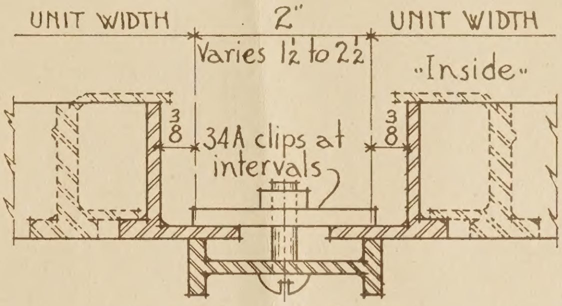

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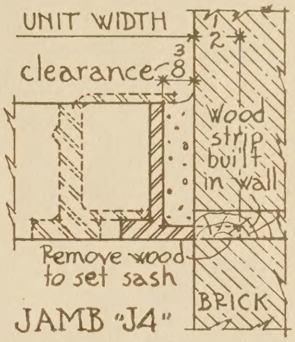

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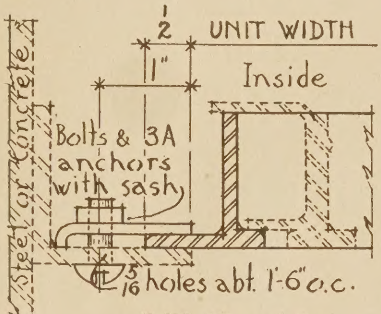

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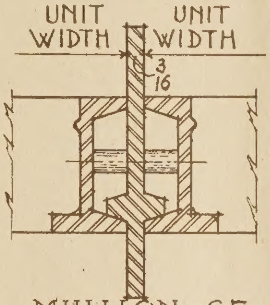
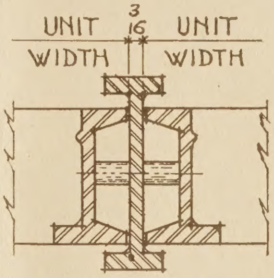
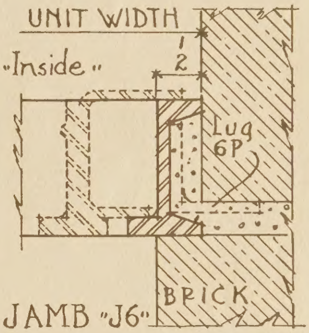


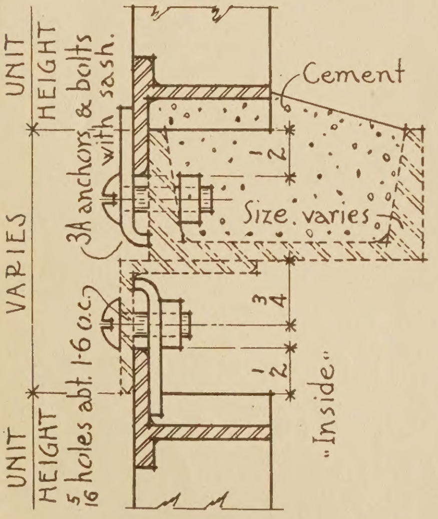
MULLION "6F"



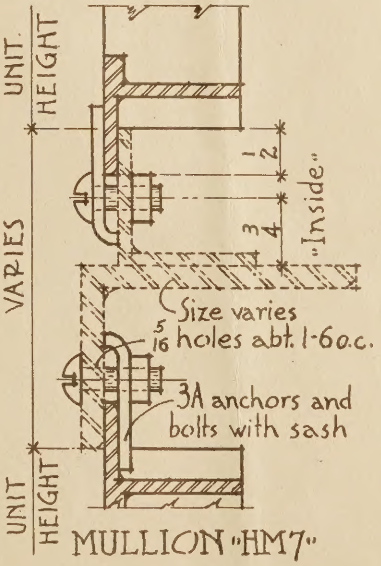
MULLION "IB"



JAMB "J6"



MULLION "HM6"



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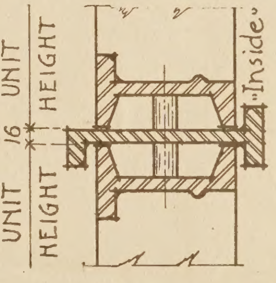
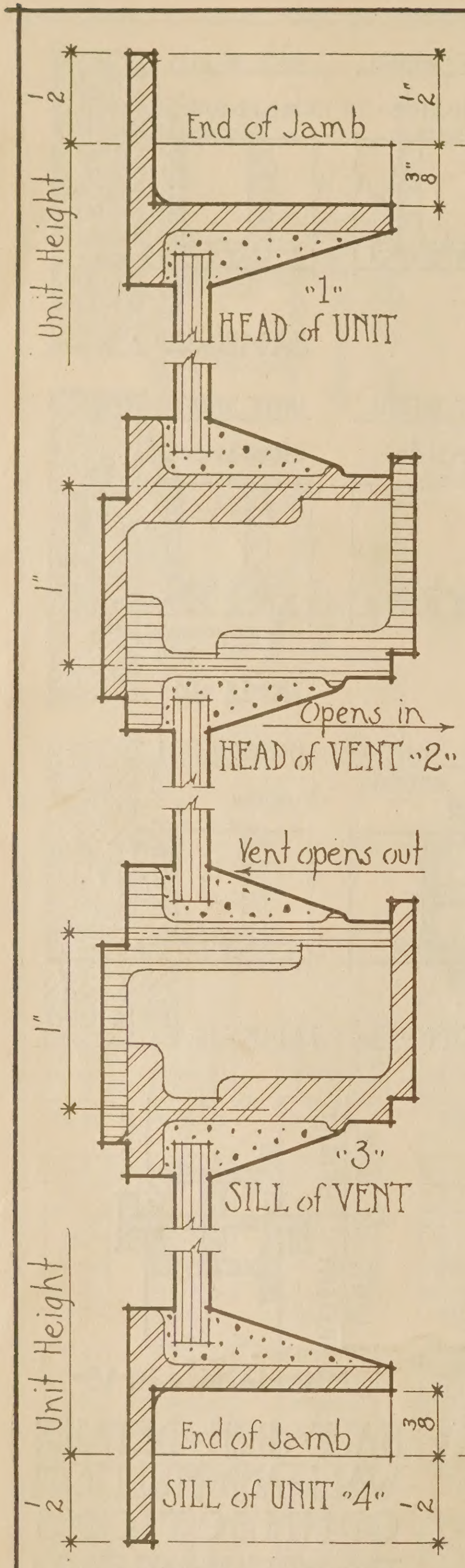


MULLION "HM8"

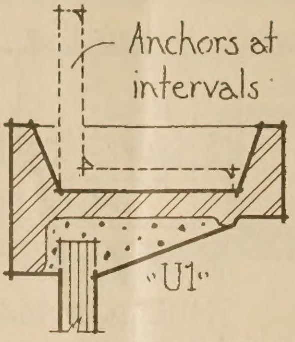
HALF SIZE DETAILS WALL AND MULLION CONNECTIONS

THE WILLIAM BAYLEY CO
SPRINGFIELD OHIO

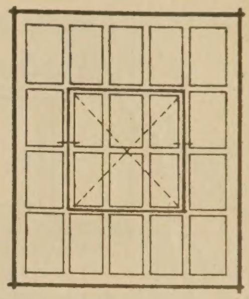
Drawing No. 40



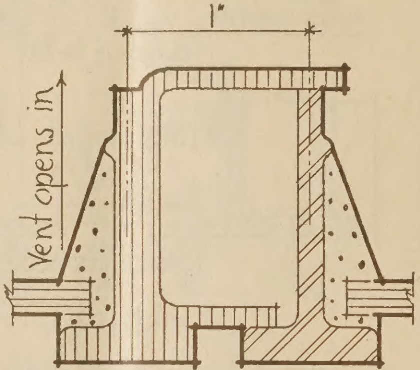
VERTICAL SECTION



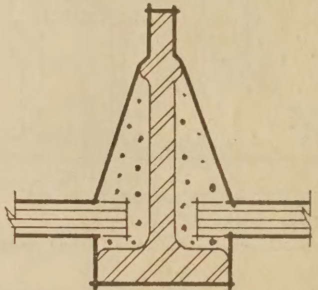
HEAD of UNIT-ALTERNATE



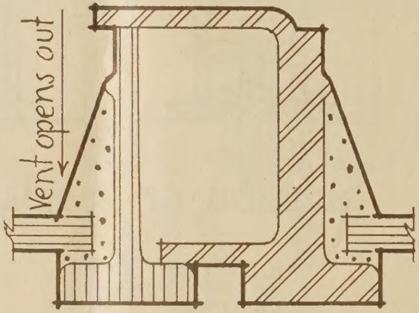
ELEVATION of UNIT



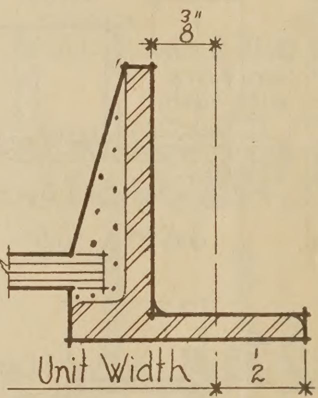
VENT JAMB above HINGE "6"



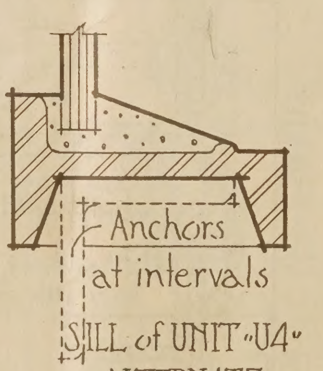
INSIDE BARS "7"



VENT JAMB below HINGE "5"



JAMB of UNIT "8"
Alternate channel
jamb same as Sill
Section U4



SILL of UNIT "U4"
ALTERNATE

FULL SIZE DETAILS OF STANDARD SASH WITH CENTER PIVOTED VENTILATOR

Drawing No.39